

## ABSTRACT

- 5 A method for providing cryptographic functions to data packets at the PPP layer of a network stack is presented. The method includes the steps of intercepting PPP datagrams having at least one encapsulated IP packet en route along the protocol stack; decapsulating the PPP datagrams to retrieve the encapsulated IP packet, determining whether to process the IP packet by modifying the IP packet to provide the cryptographic
- 10 functions, and encapsulating the IP packet for transmission to a next layer of the network stack.